



CITY OF LONG BEACH
DEPARTMENT OF DEVELOPMENT SERVICES
ASPHALT SHINGLE APPLICATION
ASPHALT SHINGLE ROOF OVER 2 IN 12 PITCH

NEW ROOF OVER SOLID ROOF SHEATHING

- ❑ **Flashing:** All wall to roof intersections shall have 1" x 4" backing installed for "Z" Bar flashing. Step counter flashing shall be installed where the "Z" Bar flashing slopes with the roof. "L" metal counter flashing shall be installed where the roof slopes away from the "Z" Bar flashing. All projections through the roof shall be flashed with roof jacks or other approved flashing.
- ❑ **Roof Sheathing:** Asphalt shingles shall be fastened to solidly sheathed roofs. Plywood roof sheathing is commonly applied over spaced sheathing when the old roofing is stripped off. For roofs with rafters spaced 24 inches on center or less, roof sheathing shall consist of 3/8-inch exterior grade plywood nailed every 6 inches on the edges, and every 12 inches in the field. The roof sheathing shall be applied so the joints are staggered and so the edges land on framing members.
- ❑ **Underlayment for roofs 2 in 12 to 4 in 12 slope:** Asphalt strip shingles may be installed on sloped roofs as low as 2 inches in 12 inches, provided the shingles are approved self sealing and are installed with an underlayment consisting of **two layers** of non-perforated Type 15 felt applied shingle fashion. Starting with an 18-inch wide sheet and a 36-inch wide sheet over it at the eaves, each subsequent sheet shall be lapped 19 inches horizontally. Lap end vertical joints 12 inches minimum. The roof valley flashing shall have a 36 inch wide underlayment directly under it consisting of one layer of Type 15 felt running the running the full length of the valley, in addition to the requirements specified above.
- ❑ **Underlayment for roofs over 4 in 12:** Use one layer of non-perforated Type 15 felt lapped 2 inches horizontally and 4 inches vertically to shed water. The roof valley flashing shall have a 36 inch wide underlayment directly under it consisting of one layer of Type 15 felt running the running the full length of the valley, in addition to the requirements specified above.
- ❑ **Fasteners:** Corrosion resistant nails, minimum 12 gage 3/8 inch head or approved corrosion resistant staples, minimum 16 gage 15/16 crown width. Fasteners shall be long enough to penetrate into the roof sheathing $\frac{3}{4}$ inch or through the thickness of the sheathing whichever is less. Install **four** fasteners for strip asphalt shingles 36 inches to 40 inches in width.
- ❑ **NOTE:** Refer to the manufacturers installation instructions for specific requirements.

